Our ref: KON-1694 Client's ref: KPD-4930 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: K. OHMURA, et al:

Group : 1756

Serial No. : 10/014,655 :

Examiner: C.Rodee

Filed : December 11, 2001 :

For : Toner for Developing Static Latent Image to Form Color Image :

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DECLARATION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S i r:

I, Ken Ohmura, hereby declare and say as follows:

1. I make this declaration to supplement the declaration I signed on June 8, 2003 in this case (hereinafter the June 8 Declaration).

2. The redispersion electro-conductivity of Examples 1-11 of the present invention and Examples I-IV of Cheng, as reported in my June 8, 2003 Declaration, were determined by the method described at pages 8-9 of the present Application.

3. A typographical error was noted in Table 3a in my June 8, 2003 Declaration for the Yellow Toner of Cheng's Example (c) and Cheng's Example (d). In Cheng's Example (c), the Yellow Toner was washed in water in an amount 100 times the weight of toner and should have been labeled (B)** and in Cheng's Example (d), the Yellow Toner was washed in water in an amount 10 times the weight of toner and should have been labeled (A)*. Correction has been made herein by attaching a "Revised Table 3a" with these corrections. For ease of Examiner's review, a copy of Tables 4a and 5a are also attached.

4. As noted in my June 8, Declaration, the test results from the sets of toners are reported in Table 5a. As can be seen in Table 5a, Cheng's material is clearly different from the present Invention and, specifically, it can be seen that, in the fine dot evaluation, the low temperature, low humidity color difference and in the high temperature, high humidity fogging there are dramatic differences. It can also be seen that the difference between the low temperature, low humidity and high temperature, high humidity for 10% dot density and line width is small for the present Invention while this difference is fairly large for Cheng.

It is declared by undersigned that all statements made herein of undersigned's own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under section 18 U.S. Code 1001, and that such will false statements may jeopardize the validity of this Application or any patent issuing thereon.

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Ken Ohmura

Dated: This day of , 2003.

DCL/mr

Encl: Tables 3a, 4a and 5a.

Revised Table 3a

	Black Toner				Yellow Toner		
	Toner	re-dispersion electro-conductivity ρbk (μS/cm)	The number of free colorant particles	Light absorbance at 500 nm	Toner	re-dispersion electro-conductivity ρy (μS/cm)	ρy - ρbk (μS/cm)
Example 1	1Bk	2.6	1	0.008	1Y	12.4	10.3
Example 2	2Bk	9.1	0	0.004	2Y	10.2	1.1
Example 3	3Bk	8.4	6	0.076	3Y	19.5	11.1
Example 4	4Bk	4.1	1	0.085	4Y	8.5	4.4
Example 5	5Bk	9.1	7	0.009	5Y	9.9	0.8
Example 6	6Bk	3.8	2	0.009	6Y	11.1	7.3
Example 7	7Bk	2.8	3	0.008	7Y	10.9	8.1
Example 8	8Bk	2.9	2	0.007	8Y	12.5	9.6
Example 9	9Bk	3.1	2	0.008	9Y	11.5	8.4
Example 10	10Bk	2.7	1	0.006	10Y	12.6	9.9
Example 11	11Bk	2.5	2	0.007	11Y	3.8	1.3
Cheng's Example (a)	IV (A)*	1.4	1	0.002	I (A)*	1.2	-0.2
Cheng's Example (b)	IV (B)**	1.1	0	0.001	I (B)**	1.0	-0.1
Cheng's Example (c)	IV (A)*	1.4	1	0.002	I (B)**	1.0	-0.4
Cheng's Example (d)	IV (B)**	1.1	0	0.001	I (A)*	1.2	0.1

Table 4a

	Magenta Toner			Cyan Toner			ρ(max) - ρ(min) (μS/cm)
	Toner	re-dispersion electro-conductivity ρm (μS/cm)	ρm - ρbk (μS/cm)	Toner	re-dispersion electro-conductivity ρc (μS/cm)	ρc - ρbk (μS/cm)	
Example 1	1M	12.3	9.7	1C	11.1	8.5	9.8
Example 2	2M	10.1	1.0	2C	11.1	2.0	2.0
Example 3	3M	18.9	10.5	3C	20.4	12.0	12.0
Example 4	4M	8.8	4.6	4C	8.4	4.3	4.3
Example 5	5M	10.1	1.0	5C	10.1	1.3	0.8
Example 6	6M	11.8	8.0	6C	11.5	7.7	8.0
Example 7	7M	12.2	9.4	7C	12.4	9.6	9.6
Example 8	8M	12.9	10	8C	11.5	8.6	10.0
Example 9	9M	11.8	8.7	9C	12.2	9.1	9.1
Example 10	10M	11.6	8.9	10C	11.8	9.1	9.9
Example 11	11M	3.9	1.4	11C	4.1	1.6	1.6
Cheng's Example (a)	III (A)*	1.1	-0.3	II (A)*	1.3	-0.1	0.3
Cheng's Example (b)	III (B)**	1.0	-0.1	II (B)**	1.0	-0.1	0.1
Cheng's Example (c)	III (B)**	1.0	-0.4	II (B)**	1.0	-0.4	0.4
Cheng's Example (d)	III (A)*	1.1	0	II (A)*	1.3	0.2	0.2

(A)*: Amount of washing water is 10 times of toner weight.

(B)**: Amount of washing water is 100 times of toner weight.

Table 5a

	10% dot density		Line width (μm)		Character clogging		Fine dot scattering		Color difference		Fogging	
	L. T. L. H.	H. T. H. H.	L. T. L. H.	H. T. H. H.	L. T. L. H.	H. T. H. H.	L. T. L. H.	H. T. H. H.	L. T. L. H.	H. T. H. H.	L. T. L. H.	H. T. H. H.
Example 1	0.11	0.12	190	191	A	A	A	A	A	A	A	A
Example 2	0.1	0.11	190	191	A	A	A	A	A	A	A	A
Example 3	0.11	0.12	191	192	A	B	A	B	A	A	A	A
Example 4	0.09	0.12	191	193	A	A	A	A	A	A	A	A
Example 5	0.09	0.12	190	193	A	A	A	B	A	A	A	A
Example 6	0.11	0.13	191	192	A	A	A	A	A	A	A	A
Example 7	0.12	0.15	190	193	A	A	A	B	A	A	A	A
Example 8	0.14	0.17	191	195	A	B	A	B	A	B	A	A
Example 9	0.15	0.18	192	196	A	B	A	B	A	B	A	B
Example 10	0.12	0.16	191	194	B	B	B	B	B	B	A	B
Example 11	0.12	0.17	195	198	A	B	B	B	B	B	A	B
Cheng's Example (a)	0.06	0.15	179	191	A	B	C	C	C	B	B	C
Cheng's Example (b)	0.06	0.15	176	189	A	A	C	C	C	A	B	C
Cheng's Example (c)	0.06	0.15	178	189	A	A	C	C	C	A	B	C
Cheng's Example (d)	0.06	0.15	177	190	A	B	C	C	C	B	B	C